

Level 3 – Keyframes

SECTION 3

More Advanced Keyframe Animations



Animating Our Form With Keyframes

ABOUT THE GAME



Welcome to Sweet Lands — a realm of legitimate sugary fun! As you journey to Frosting Fortress, you'll follow Lemony Brick Road, hop-butterscotch through Chocolate Mounds, and Ice Cream Float across Fruity Fish Sea. But beware of Licorice Twisters and Sugar Substitute Swamp, or you'll be slow as molasses. Hurry now — Frosting Fortress and a lifetime of truly tempting treats await!

PURCHASE THE GAME

It's as easy as a hop, skip, and a jump through Graham Cracker Valley with Sprinkles and Sweetheart!

To purchase the game, simply click the "Buy Now!" button below.

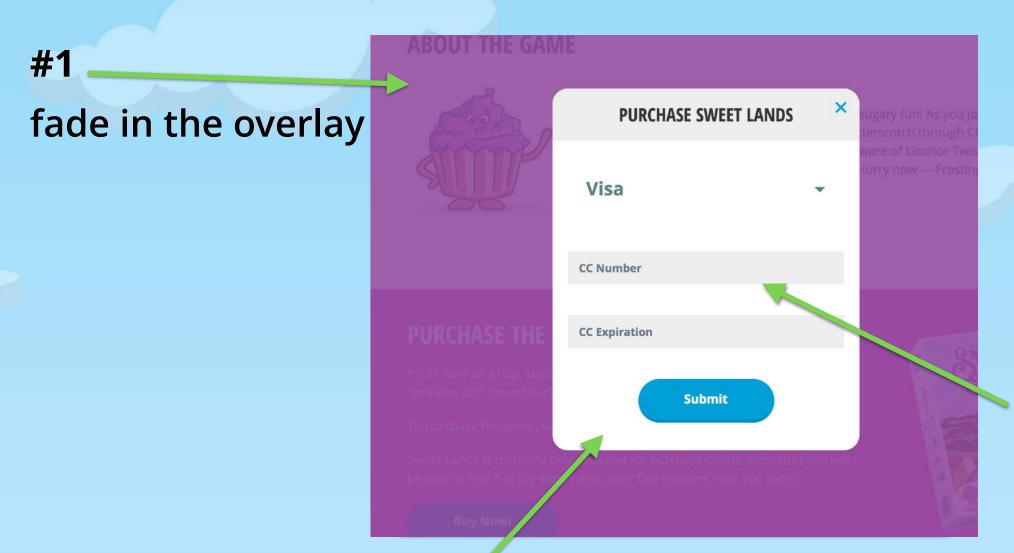
Sweet Lands is currently only available for purchase online. Hopefully you will be able to find it at toy stores and other fine retailers near you soon!



Buy Now!

What Animations Do We Need to Create?

Multiple elements need to be animated to achieve this effect.



#2 slide and fade in the modal

#3
slide small and fade in the elements in the modal

Fading in the modal-overlay

```
#1
fade in the overlay
```

```
CSS
@keyframes fadeIn {
  from {
    opacity: 0;
    visibility: hidden;
             start hidden
    opacity: 1;
    visibility: visible;
             end visible
```

```
CSS
.modal-overlay.active {
   animation: fadeIn .25s;
PURCHASE THE GAME
To purchase the game, simply click the "Buy Now!" button below.
```

The modal is snapping back to its original state as soon as it is done.

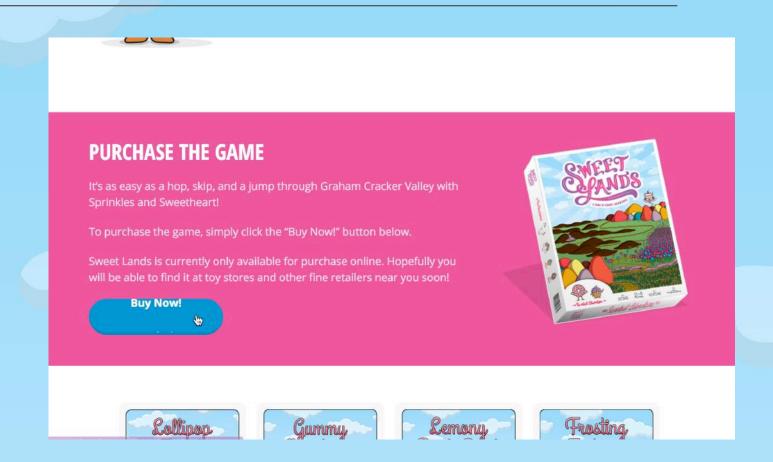
Fill-mode Forwards

```
.modal-overlay.active {
   animation: fadeIn .25s none;
}
```

The default value for fill-mode is none.

```
.modal-overlay.active {
  animation: fadeIn .25s forwards;
}
```

Fill-mode forwards is used to set the animation's final state to the last specified step.



slideUp Keyframe for Entire Modal

```
@keyframes slideUp {
  from {
    transform: translateY(400px);
  }
  to {
    transform: translateY(-300px);
  }
}
```

start low on the page

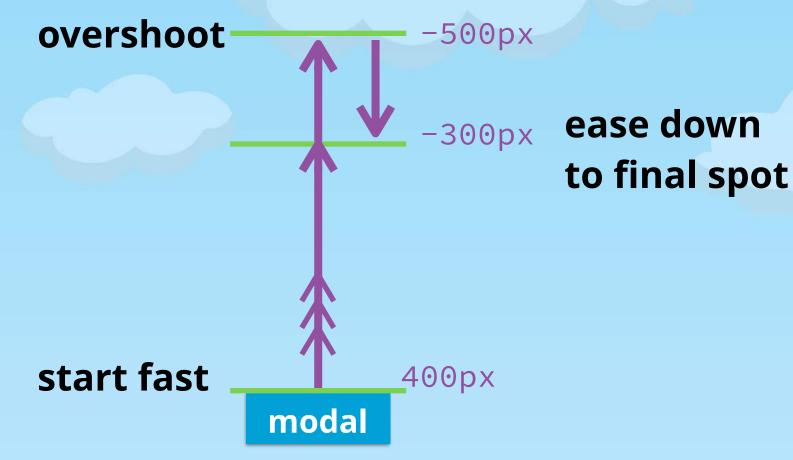
end higher on the page

```
.modal.active {
  animation: slideUp .65s .5s forwards;
}
```

Timing Functions for the Win

When animating a single property, simply specify start/end state and use a timing function to create the desired timing.

```
@keyframes slideUp {
   from {
     transform: translateY(400px);
   }
   to {
     transform: translateY(-300px);
   }
}
```

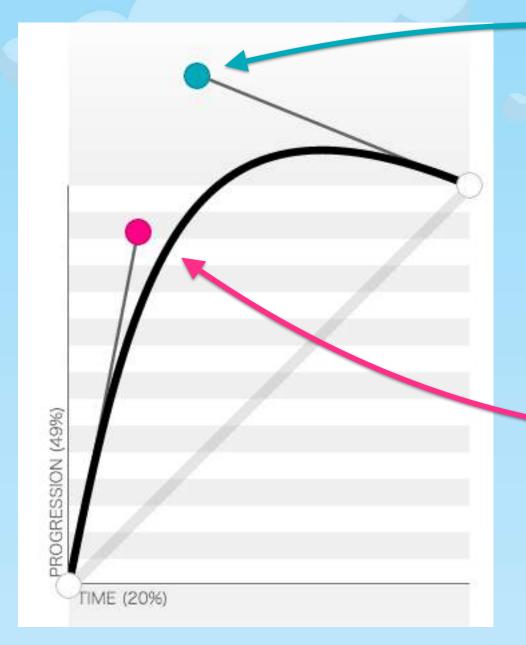


custom cubic-bezier timing function

```
.modal.active {
   animation: slideUp .65s .5s cubic-bezier(0.17, 0.89, 0.32, 1.28) forwards;
}
```

What Is a Cubic Bezier?

WHAT ON EARTH ARE THESE NUMBERS?!

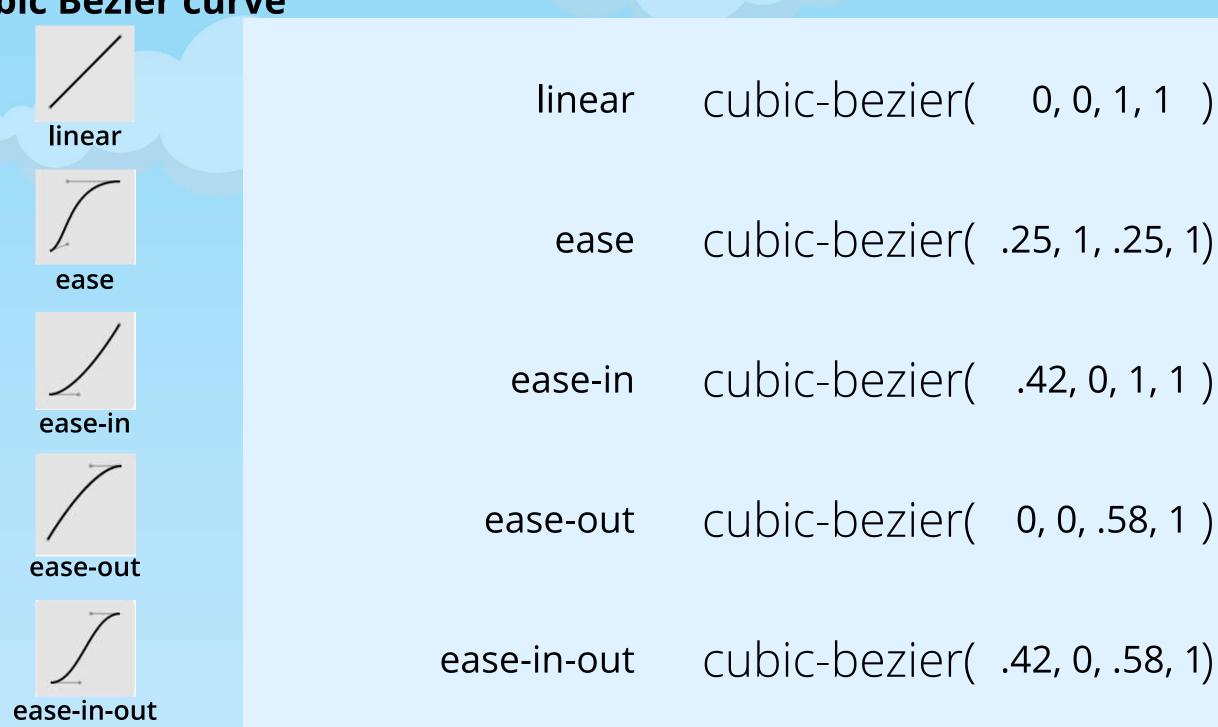


cubic-bezier(.17,.89,.32,1.28)

cubicbezier.com

All Timing Functions Are Bezier at Heart

cubic Bezier curve







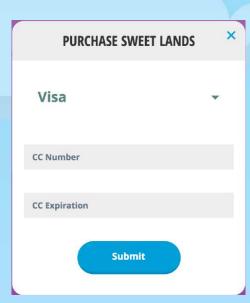
, 1, 1) Ease-In

), .58, 1) Ease-Out

Ease-In-Out

Sliding and Fading in the Modal

Assign the fadeln animation to our .active modal as well.



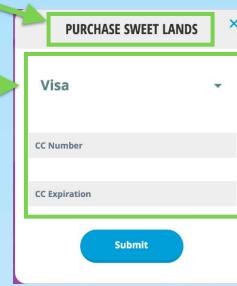


Finishing Form By Animating the Stuff Inside

Creating the slideUpSmall animation

```
@keyframes slideUpSmall {
  from {transform: translateY(80px);}
  to {transform: translateY(0);}
}
```

Assigning slideUpSmall and fadeIn to modal innards when modal is active



Our Form Looks Hot!



Welcome to Sweet Lands — a realm of legitimate sugary fun! As you journey to Frosting Fortress, you'll follow Lemony Brick Road, hop-butterscotch through Chocolate Mounds, and Ice Cream Float across Fruity Fish Sea. But beware of Licorice Twisters and Sugar Substitute Swamp, or you'll be slow as molasses. Hurry now — Frosting Fortress and a lifetime of truly tempting treats await!

PURCHASE THE GAME

It's as easy as a hop, skip, and a jump through Graham Cracker Valley with Sprinkles and Sweetheart!

To purchase the game, simply click the "Buy Now!" button below.

Sweet Lands is currently only available for purchase online. Hopefully you will be able to find it at toy stores and other fine retailers near you soon!







